

Abstract Submitted
for the APR14 Meeting of
The American Physical Society

Heavy flavor single muon flow measurement in Cu+Au collisions from PHENIX BRANDON SCHMOLL, University of Tennessee, Knoxville, PHENIX COLLABORATION — Asymmetric collisions of heavy nuclei, such as Cu+Au, provide unique initial geometry configurations unlike those found in symmetric nucleus-nucleus collisions. This offers us an opportunity to study the Quark-Gluon Plasma under different initial conditions. In central collisions the Cu nucleus will be completely embedded in the Au nucleus. Single muon measurements at forward rapidity allow us to quantify the effect of this embedding by studying, for example, flow in the Cu-going versus the Au-going directions. The status of the current analysis and the challenges that arise from trying to measure heavy flavor single muons will be discussed.

Brandon Schmoll
University of Tennessee, Knoxville

Date submitted: 10 Jan 2014

Electronic form version 1.4